Constructing Perpendicular Lines

**Measurement**

**Unit 1 Line Master 11a**

**Method 1: Paper Folding**

1. ****Fold a piece of paper in half. Open the paper

and draw a line segment along the fold.

1. Mark point A above the line.
2. Fold the paper at point A so that

the line segment is folded onto itself.

1. Open the paper. Draw a line segment

along the fold. This creates a line segment

perpendicular to the starting line segment.

**Method 2: Protractor**

****1. Draw a line segment. Mark a point

 on the line segment.

2. Place the centre of the protractor

 on the point.

3. Mark a point at 90°.

4. Join the two marks to draw a line segment perpendicular

 to the starting line segment.

 Constructing Perpendicular Lines

 (cont’d)

**Measurement**

**Unit 1 Line Master 11b**

**Method 3: Compass**

1. Draw a line segment. Mark point A on the line segment.

2. Place the compass point on A. Draw an arc below the line

 segment that intersects it twice. Label the intersection

 points B and C.

3. Place the compass point on B. Open the compass so that

 the distance between the compass point and the pencil tip is longer than the radius AB. Draw an arc above

 the line segment. Then place the compass point on C and draw

 another arc so that these arcs intersect. Label that point D.

4. Draw a line through points A and D. Line segment AD is

 perpendicular to the starting line segment.

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